

經濟(和) :

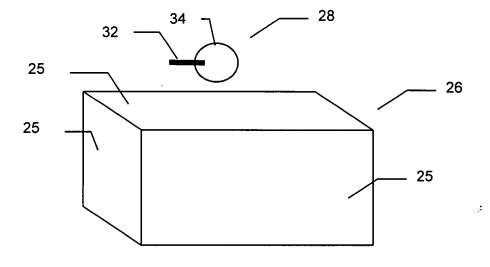


FIG. 2A

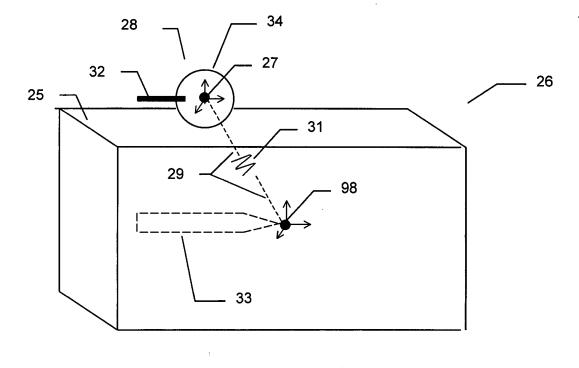


FIG. 2B

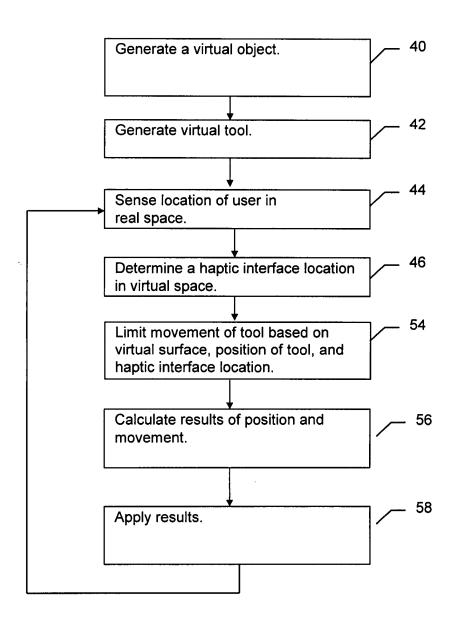


Fig. 3

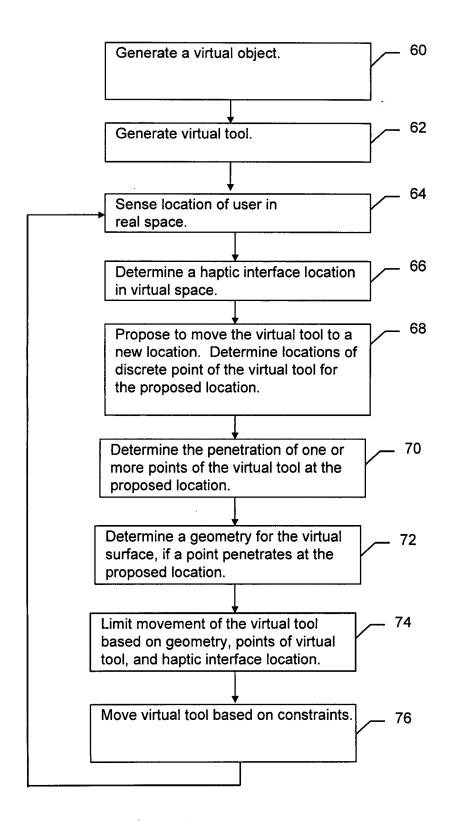


Fig. 4

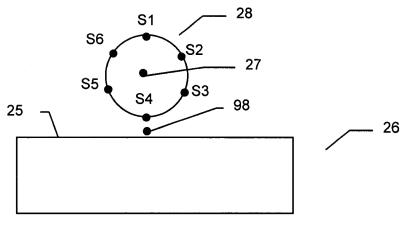
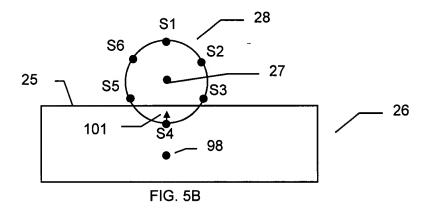


FIG. 5A



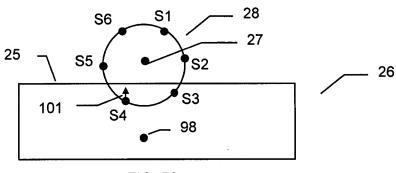


FIG. 5C

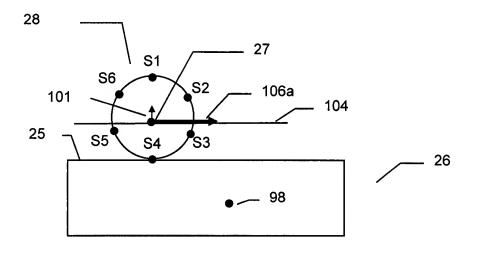


FIG. 5D

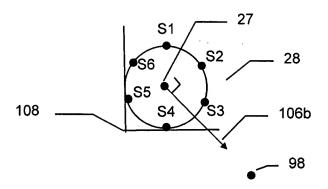


FIG. 5E

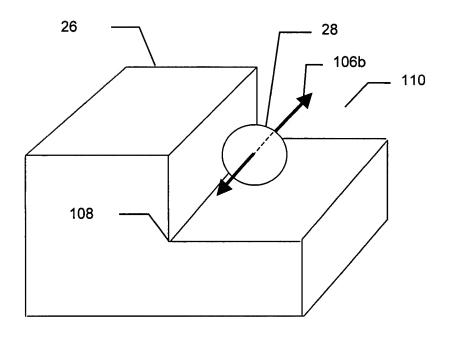


FIG. 5F

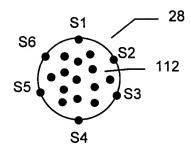


FIG. 6

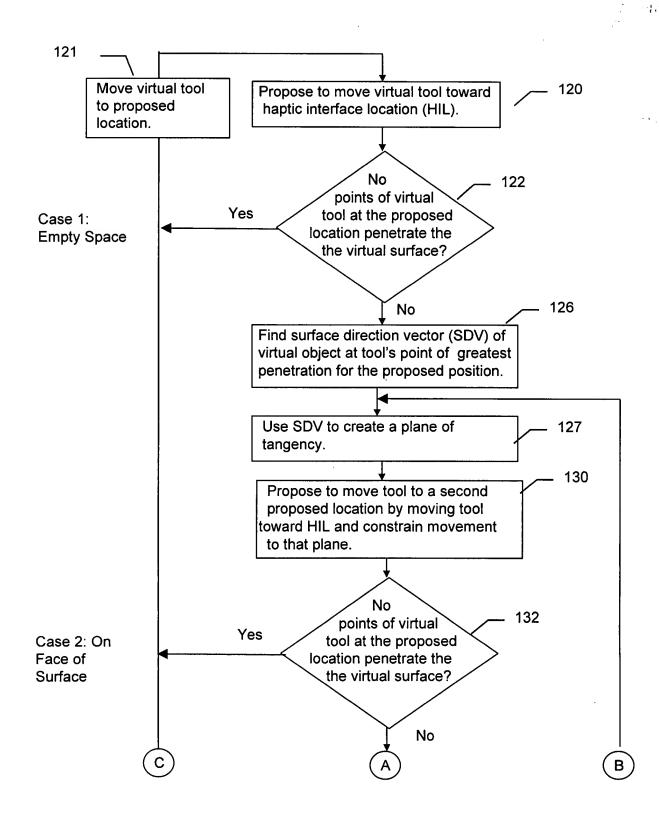


Fig. 7A

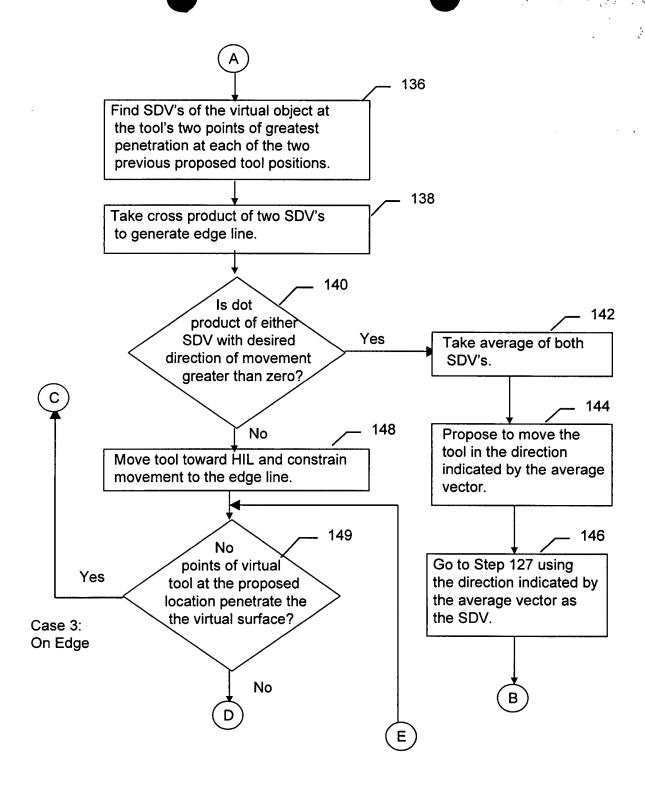


Fig. 7B

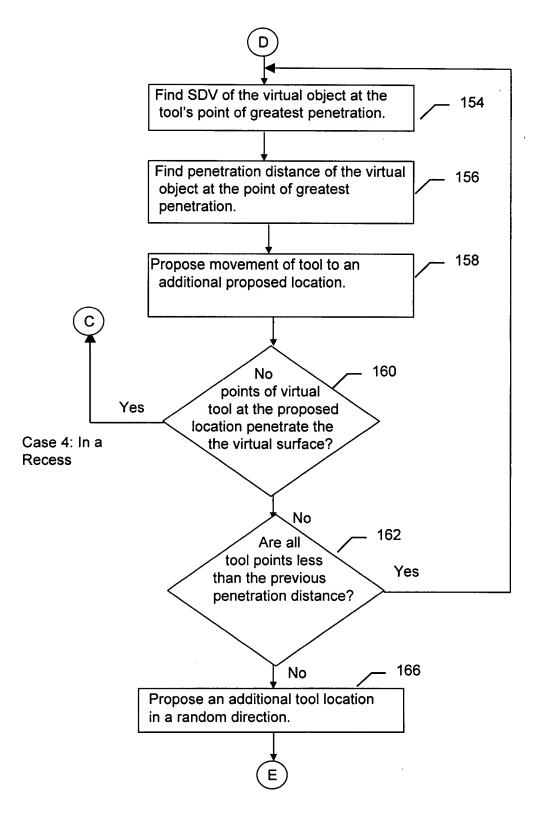


FIG. 7C

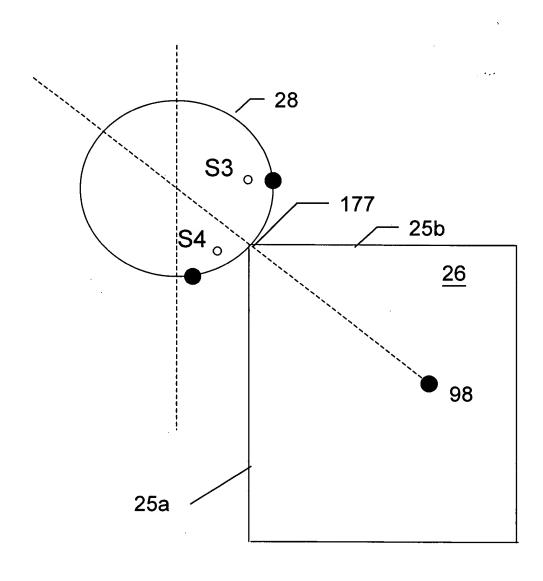


FIG. 8A

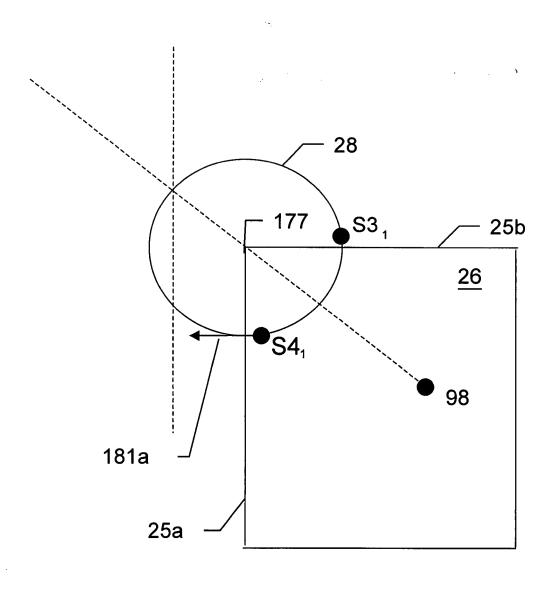


FIG. 8B

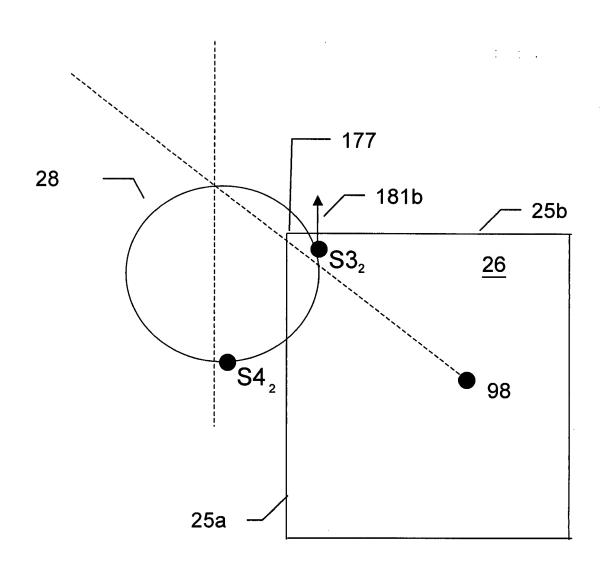


FIG. 8C

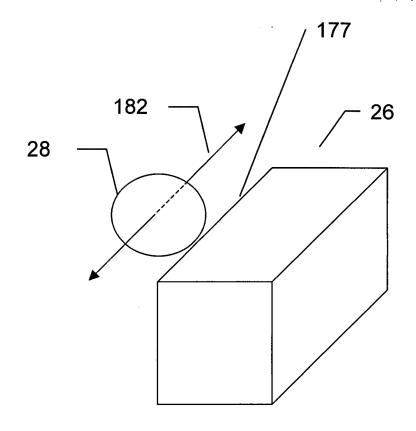


FIG. 8D

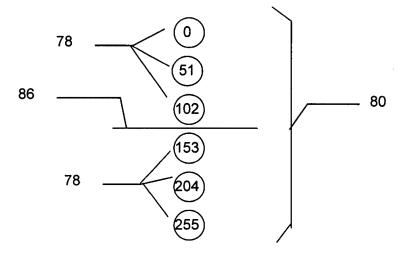


FIG. 9

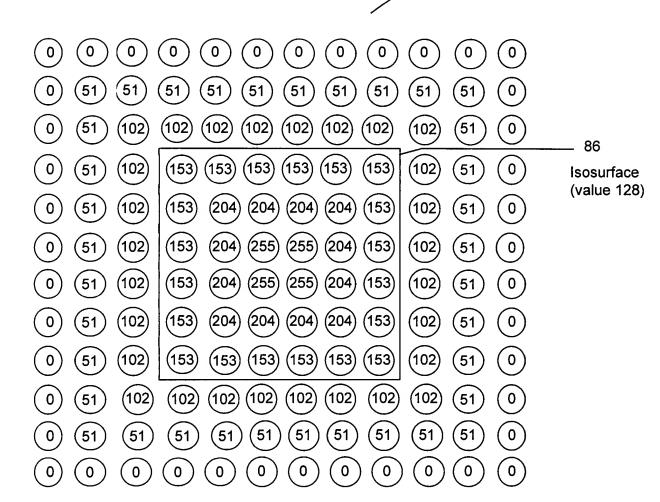


Fig. 10

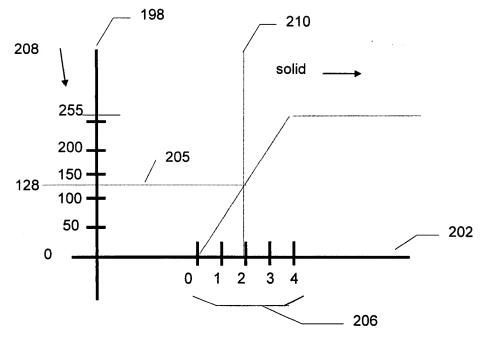


Fig. 11

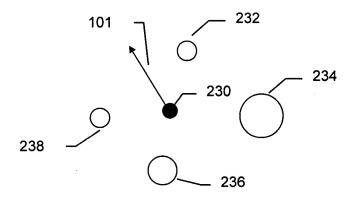


FIG. 12

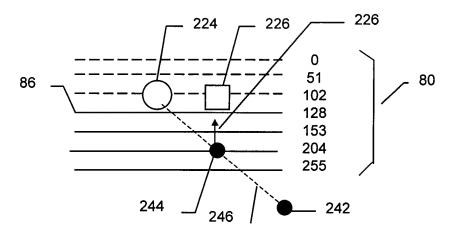


Fig. 13

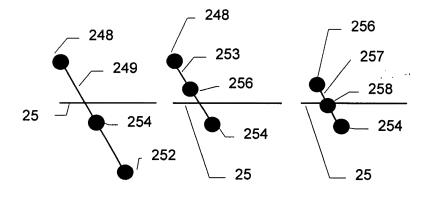


FIG. 14A FIG. 14B FIG. 14C

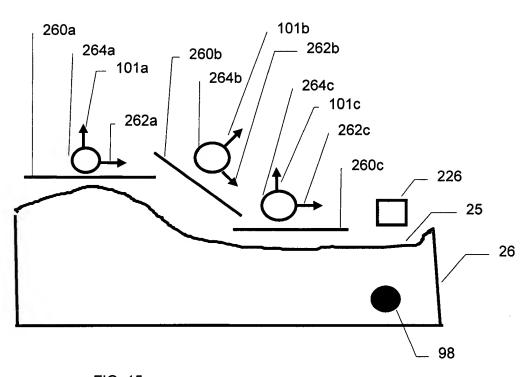
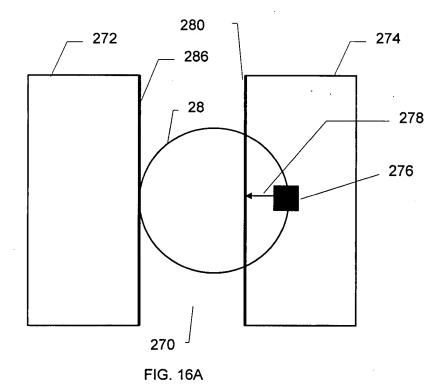
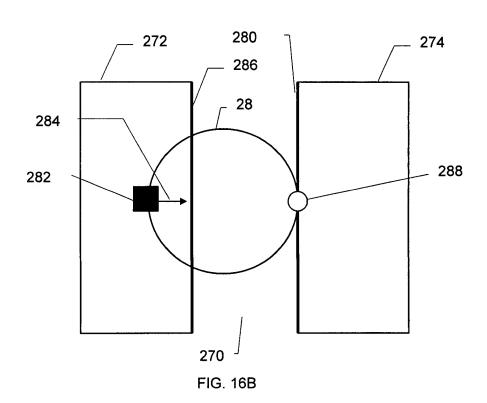


FIG. 15





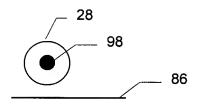


FIG. 17A

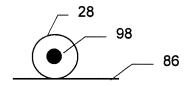


FIG. 17B

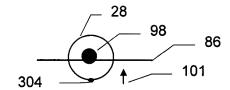


FIG. 17C

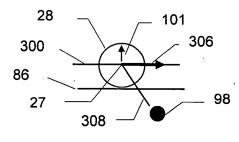


FIG. 17D

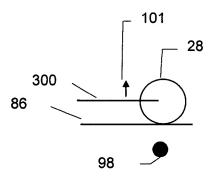


FIG. 17E

345/419 400 Generate virtual tool. 402 Select modification mode for virtual tool. 404 Sense location of user in real space. 406 Determine position of virtual tool. 408 Calculate interaction force between virtual tool and the virtual object. Produce a modified virtual object 410 based on modification mode, tool position, and virtual object location. Display the virtual object. 412 414 Continue Yes modification?

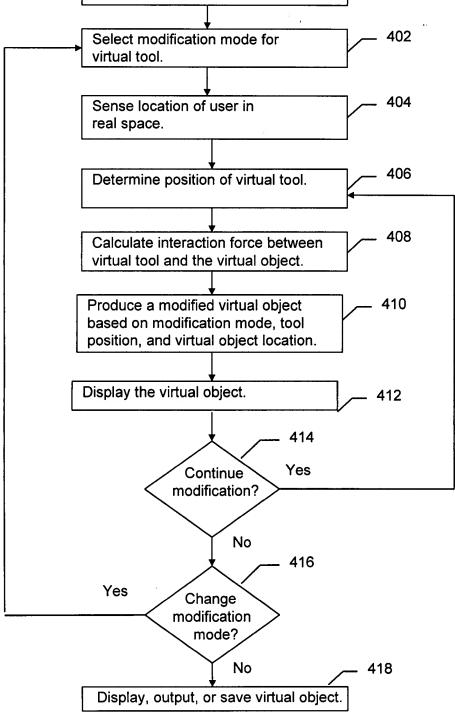


Fig. 18

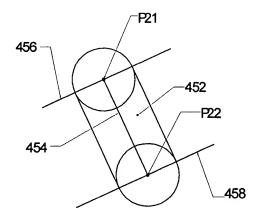


FIG. 19A

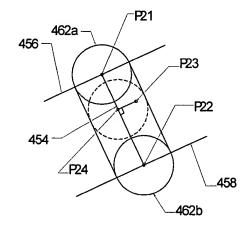


FIG. 19B

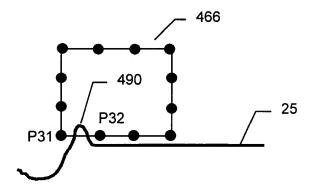


FIG. 20

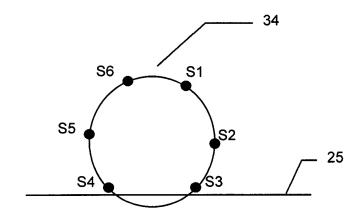


FIG. 21

. . . .

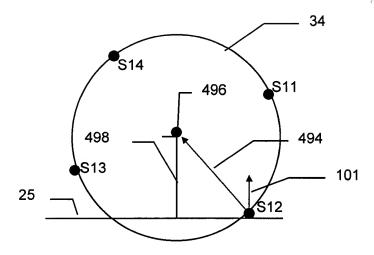


FIG. 22

of the state of th

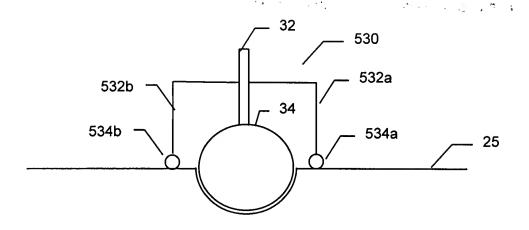


FIG. 23A

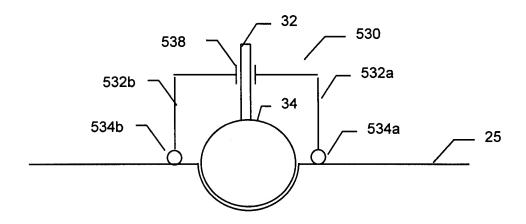


FIG. 23B

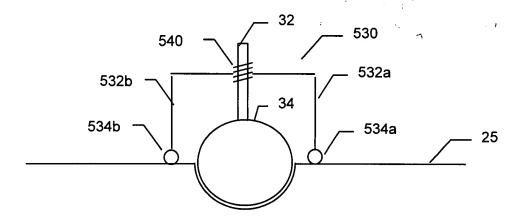


FIG. 23C

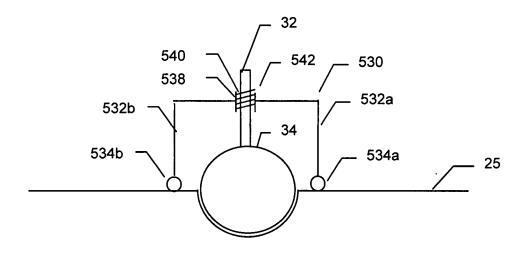


FIG. 23D

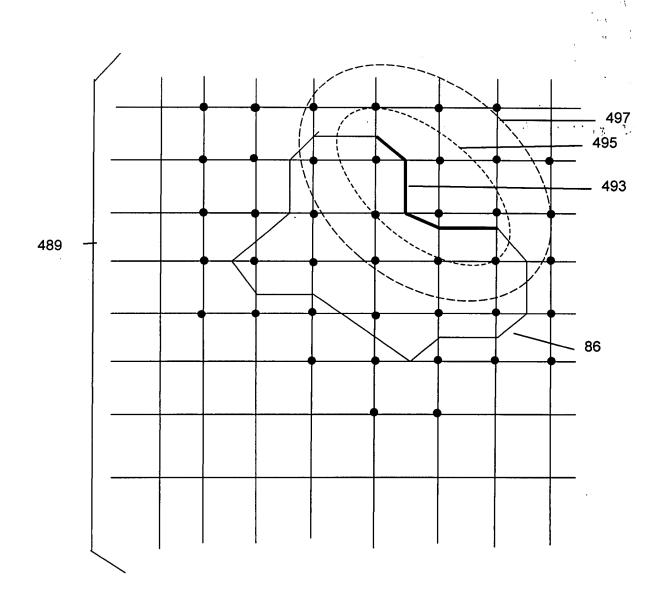


FIG. 24

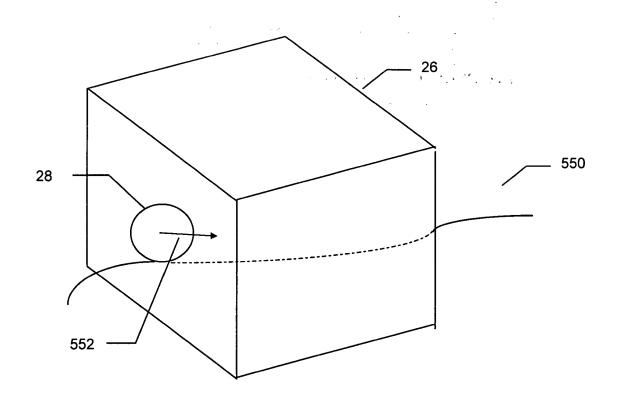


FIG. 25

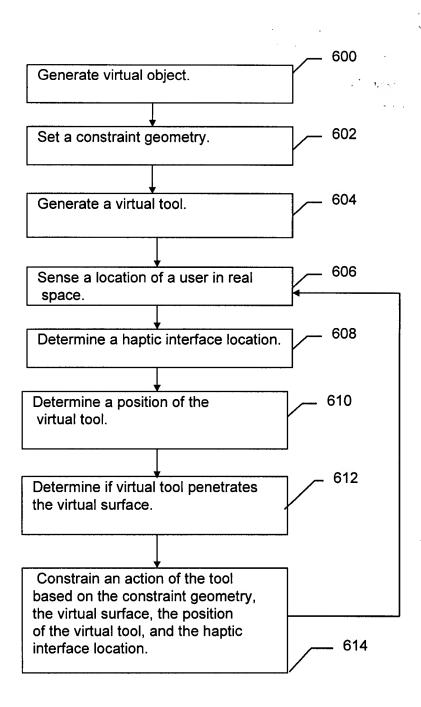


Fig. 26

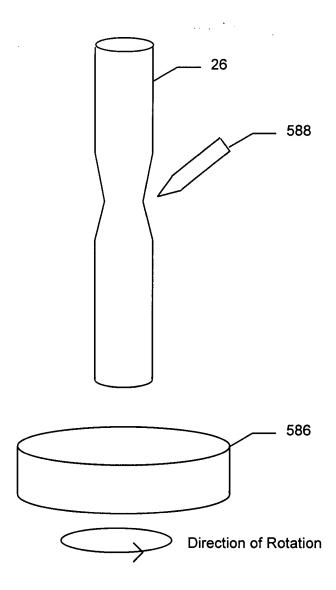


FIG. 27